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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,951	08/26/2003	Nan Xie	50277-2234	4071

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2055 GATEWAY PLACE
SUITE 550
SAN JOSE, CA 95110-1089

EXAMINER	
PATEL, CHIRAG R	

ART UNIT	PAPER NUMBER
2141	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/648,951	XIE ET AL.	
	Examiner	Art Unit	
	Chirag R. Patel	2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) 1-50 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) 1-50 is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 9-16 and 33-48 rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. As per claims 9-16 and 33-48, "computer readable medium" fails to meet a statutory category of invention. As per applicant's spec per [0082], radio-wave and infrared communications are directed to non-statutory subject matter. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-50 are rejected under 35 U.S.C. 102(e) as being anticipated by Kowala et al. – hereinafter Kowala.

As per claims 1 and 49, Kowala discloses a method for handling requests for web services, the method comprising the computer-implemented steps of:

receiving, from a source, a request for information from a particular web service

([0007])

that has characteristics that are described in Web Service Description Language and are published in a Universal Description, Discovery, and Integration registry; ([0025])

in response to receiving said request, accessing transformation information that specifies

how to transform first data associated with said request to second data that said particular web service can use to service requests for said requested information, and ([0027])

how to invoke said particular web service in a manner required by said particular web service, to obtain said requested information from said particular web service; ([0046])

based on said transformation information, transforming said first data to said second data; and invoking, in said manner required by said particular web service, ([0146])

said particular web service to obtain said requested information from said particular web service. ([0259])

As per claim 2, Kowala discloses the method of claim 1, further comprising the steps of: receiving, from said particular web service, said requested information; and transforming, based on said transformation information, said requested information to data that said source can use. ([0301])

As per claim 3, Kowala discloses the method of claim 1, wherein said transformation information specifies how to transform a plurality of first data each from a respective source of a plurality of sources, to a plurality of second data each for a respective web service of a plurality of web services. ([0027])

As per claims 4 and 29, Kowala discloses the method of claim 1, wherein said transformation information includes a mapping of first data from a first particular source to second data that a web service can use, and a mapping of first data from a second particular source to second data that a web service can use, and wherein said first data from said first particular source has a different form than said first data from said second particular source. ([0027])

As per claims 5 and 30, Kowala discloses the method of claim 1, wherein said transformation information includes a mapping of first data from a first particular source to second data that a first web service can use, and a mapping of first data from a second particular source to said second data that said first web service can use, and wherein said first data from said first particular source has a different form than said first data from said second particular source. ([0027])

As per claims 6 and 31, Kowala discloses the method of claim 1, wherein said transformation information includes a mapping of first data from a first source to second

data that a first web service can use and to second data that a second web service can use, and wherein said first web service is different than said second web service. ([0027])

As per claim 7, Kowala discloses the method of claim 1, further comprising the computer-implemented steps of: based on said transformation information, determining whether to use RPC style of communication or messaging style of communication to invoke said particular web service. ([0005],[0006])

As per claim 8, Kowala discloses the method of claim 1, further comprising the computer-implemented steps of: based on said transformation information, determining whether to use SOAP encoding to encode a communication for invoking said particular web service. ([0140])

As per claims 9-16, and 33-48, Kowala discloses a computer-readable medium carrying one or more sequences of instructions which, when executed by one or more processors, causes the one or more processors to perform the method recited in claim 1. ([0024])

As per claims 17 and 50, Kowala discloses a method for handling requests for web services, the method comprising the computer-implemented steps of:

receiving, from a source, a request for information, wherein said request includes an identification of a particular instance of said source; ([0007],[0025])

in response to receiving said request, based on said identification of said particular instance of said source, accessing transformation information; ([0027])

wherein said transformation information includes a mapping between said identification of said particular instance of said source and an identification of a particular web service from which said particular instance wants said requested information; ([0027])

wherein said transformation information specifies how to transform first data associated with said request to second data that said particular web service can use to service requests for said requested information; ([0027])

and based on said transformation information, transforming said first data to said second data. ([0146])

As per claim 18, Kowala discloses the method of claim 17, wherein said identification of a particular instance of said source includes identification of a user of said source. ([0025])

As per claim 19, Kowala discloses the method of claim 17, further comprising the computer-implemented step of: passing said second data as input to said particular web service to service said request. ([0146])

As per claim 20, Kowala discloses the method of claim 19, wherein said transformation information specifies a mapping between said first data output from said source and data that said particular web service can use as input to determine said requested information; and ([0027])

wherein said step of passing includes passing said second data, according to said transformation information, as input to said particular web service to determine said requested information. ([0146])

As per claim 21, Kowala discloses the method of claim 20, wherein said transformation information specifies a first manner in which said particular web service can be invoked to service requests for said requested information; and ([0046])

wherein said step of passing includes passing said second data in said first manner, to invoke said particular web service to determine said requested information. ([0146])

As per claim 22, Kowala discloses the method of claim 21, wherein said transformation information specifies a second manner in which said second data is characterized so that said particular web service can be invoked to service requests for said requested information; and ([0240])

wherein said step of passing includes passing, according to said first manner, said second data that is characterized according to said second manner, to invoke said particular web service to determine said requested information. ([0027])

As per claim 23, Kowala discloses the method of claim 22, wherein said second manner includes characterizing said second data according to Simple Object Access Protocol. ([0031])

As per claim 24, Kowala discloses the method of claim 19, wherein said transformation information specifies a first manner in which said particular web service can be invoked to service requests for said requested information and a second manner in which said second data is characterized in an invocation of said particular web service; and ([0027],[0240])

wherein said step of passing includes passing, according to said first manner, said second data that is characterized according to said second manner, to invoke said particular web service to determine said requested information. ([0146])

As per claim 25, Kowala discloses the method of claim 17, wherein said particular web service has characteristics that are described in Web Service Description Language. ([0007])

As per claim 26, Kowala discloses the method of claim 25, wherein said particular web service has characteristics that are published in a Universal Description, Discovery, and Integration registry. ([0025])

As per claim 27, Kowala discloses the method of claim 17, further comprising the steps of: receiving, from said particular web service, said requested information; and ([0007])

transforming, based on said transformation information, said requested information to data that said source can use. ([0146])

As per claim 28, Kowala discloses the method of claim 17, wherein said transformation information specifies how to transform a plurality of first data each from a respective source of a plurality of sources, to a plurality of second data each for a respective web service of a plurality of web services. ([0027])

As per claim 32, Kowala discloses the method of claim 31, wherein said first web service and said second web service can determine the same requested information, and wherein said second data that said first web service can use is different from said second data that said second web service can use. ([0007],[0245])

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chirag R Patel whose telephone number is (571)272-7966. The examiner can normally be reached on Monday to Friday from 7:30AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia, can be reached on (571) 272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free).

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